



PART B - FEE(S) TRANSMITTAL

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Garlick Harrison & Markison LLP  
P.O. Box 160727  
Austin, TX 78716-0727

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Barbara A. Adkins	(Depositor's name)
	(Signature)
03/21/2006	(Date)

03/27/2006 MBELETE2 00000049 10636008

01 FC:1501	1400.00 OP
02 FC:1504	300.00 OP
03 FC:8001	6.00 OP

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/636,008	08/07/2003	Ba-Zhong Shen	BP3018	1569

TITLE OF INVENTION: 16 QAM AND 16 APSK TCM (TURBO TRELLIS CODED MODULATION) WITH MINIMUM BANDWIDTH EFFICIENCY OF 3 BITS/Hz USING A RATE 2/4 CONSTITUENT ENCODER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/23/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Garlick Harrison & Markison LLP

2 Shayne X. Short

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Broadcom Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Irvine, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee

☒ Publication Fee (No small entity discount permitted)

☒ Advance Order - # of Copies 2 x \$3 = \$6

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☒ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-2126 (Garlick Harrison & Markison LLP) (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /SXShort/ Reg. No. 45,105

Date 03/21/2006

Typed or printed name Shayne X. Short, Ph.D.

Registration No. 45,105

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

8

Application Number

10/636,008

Filing Date

08/07/2003

First Named Inventor

Ba-Zhong Shen

Art Unit

2133

Examiner Name

Lamarre, Guy J

Attorney Docket Number

BP3018

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	see remarks below
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<b>Remarks</b> The following are being submitted herewith:	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	1. Issue fee transmittal PTOL-85 - PART B - FEE(S) TRANSMITTAL (1 pg) 2. Credit Card Payment Form for \$1706.00 - Form PTO-2038 (1 pg) for: a. issue fee of \$1400; b. publication fee of \$300; c. copies of patent: 2 x \$3 = \$6 3. Fee address indication form - Form PTO/SB/47 (1 pg) 4. "Letter of Authorization" from Henry Samuelli, Ph.D. (1 pg) 5. "Letter of Authorization" from Dee Henderson (1 pg) 6. POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO, PTO/SB/80 (01-06) (1 pg) 7. statement under 37 C.F.R. § 3.73(b) (1 pg) 8. return postcard	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Garlick Harrison & Markison, LLP (USPTO CN 51472)		
Signature	/SXShort/ Reg. No. 45,105		
Printed name	Shayne X. Short, Ph.D.		
Date	03/21/2006	Reg. No.	45,105

**CERTIFICATE OF TRANSMISSION/MAILING**

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Typed or printed name

Barbara A. Adkins

Date

03/21/2006

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